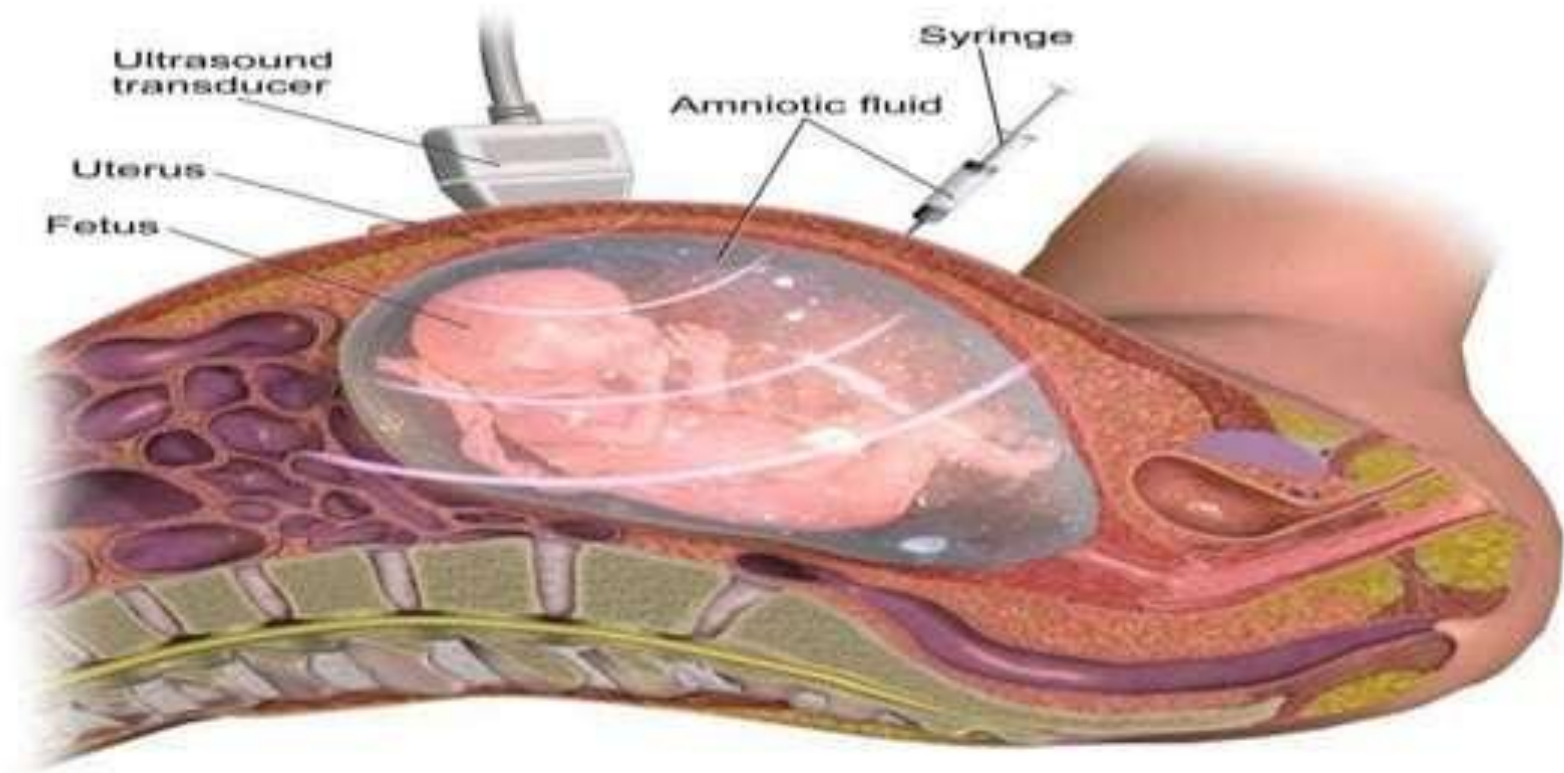


AMNIOCENTESIS



INTRODUCTION

- Amniocentesis is a test used for prenatal diagnosis of inherited diseases, Rh incompatibility, neural tube defects, and lung maturity.
- Normally performed during the second trimester of a pregnancy,
- this invasive procedure allows the detection of health problems in the fetus as early as fifteen weeks gestation.
- Although amniocentesis does carry some significant risks, the medical community commonly accepts it as a safe and useful procedure.

DEFINITION

- Amniocentesis is a procedure in which amniotic fluid is removed from the uterus for testing or treatment.
- Amniotic fluid is the fluid that surrounds and protects a baby during pregnancy. This fluid contains fetal cells and various proteins.

INDICATIONS

- Aminocentesis has two main indications:
- i) Diagnostic
- ii) Therapeutic
-

PROCEDURE

- 1) The patient is asked to empty her bladder and then lie in dorsal position.
- 2) The abdominal wall is prepared aseptically with betadine lotion and spirit and then draped .
- 3) The proposed site of puncture is infiltrated with a few ml. of 1% of inj. Lignocaine .
- 4) A 20 – 22 gauge spinal needle about 4 inch in length is pierced into the amniotic cavity with the stilette in . The stilette is then withdrawn and few drops of the liquor is discarded .
- then about 10 ml of fluid is collected in a test tube for diagnostic purposes .

- 5) The preferred sites of puncture are : a) in early months – 1/3rd of the way up the uterus from symphysis pubis .
- b) In later months - trans- isthmic suprapubic approach is used after lifting the presenting part or through the flanks in between the foetal limbs or below the umbilicus behind the neck of the foetus .


COMPLICATIONS

A. Maternal Complications:

- 1. Infection,
- 2. Haemorrhage (placental or uterine injury),
- 3. Premature rupture of membranes and premature labour,
- 4. Maternal iso-immunisation in Rh – negative mother.

B. Foetal complications:

- 1. Trauma
- 2. Foeto-maternal haemorrhage.

A close-up photograph of a white card with the words "Thank you" written in a vibrant purple, cursive script. The card is placed on a light-colored, textured surface. To the left of the card is a bouquet of purple flowers with green leaves. To the right, a black pen with a white polka-dot grip lies horizontally. Further right, a gift box wrapped in white paper with a red and white striped ribbon is partially visible. The overall scene is bright and celebratory.

Thank
you